

## ULTRAGEAR EP (RANGE)

### HEAVY DUTY SERVICE GEAR OIL

#### DESCRIPTION

Lubricant formulated with highly refined mineral oils and special additive package.

#### APPLICATIONS

It is specially indicated for long term lubrication of gears in heavy duty conditions, high loads and extreme temperatures.

Gear lubrication in wind turbines, power stations, steel and paper mills, rolling mills, crushers, extruders, conveyors, etc.

**ULTRAGEAR EP** is also suitable for lubrication of all type of bearings and circulation systems.

#### PROPERTIES

- It prevents micropitting formation in gears.
- High thermal and oxidation stability avoiding formation of residues and varnishes and improving product lifetime.
- Good demulsifying capability, allowing easy water separation.
- Compatible with metals, paints and usual seals.
- Excellent foam control
- Working temperature from 4 °C up to 80°C.

#### QUALITY LEVEL:

- DIN 51517 Part 3 – CLP
- AGMA 9005 E02
- U.S. Steel 224, ISO 6743/6 - CKD
- ISO 12925-1 CKC/CKD
- David Brown S1.53.101
- Approved by FLENDER – T7300 Table A- a

#### TECHNICAL CHARACTERISTICS

	Method	Typical values						Un.
		100	150	220	320	460	680	
ISO VG		100	150	220	320	460	680	
Appearance		Dark amber liquid						
Density at 15°C.	ASTM D-1298	0,88	0,891	0,897	0,897	0,901	0,91	gr/cm <sup>3</sup>
Viscosity at 40°C.	ASTM D-445	100	148,2	214,9	302,6	448,2	619,8	cSt
Viscosity at 100°C.	ASTM D 445	11	14,77	18,54	23,30	29,97	32,41	cSt
Viscosity Index	ASTM D-2270	98	99	96	96	96	79	-
Pour point	ASTM D-97	-21	-19	-18	-12	-10	-6	°C
Flash point	ASTM D-92	228	228	228	238	224	274	°C
FZG Test (A/8,3/90)	ISO 14635-1	>14						pass
Micropitting Test (Grey Staining)								
Load stage fail	FVA 54 (I-IV)	>10						
Load stage GFT rating		high						
Endurance stage GFT rating		high						
Welding load, 4 ball test	ASTM D 2783	250						
Wear scar, 4 ball test	ASTM D-4172	0,42	0,42	0,42	0,39	0,37	0,35	mm
Copper corrosion, 3h at 100°C	ASTM D-130	1b	1b	1b	1b	1b	1b	grade

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